

Section I: BACT Determination for Application No.: 230731
Equipment Category - Spray Booth

1. GENERAL INFORMATION		DATE: 5/25/1999
A. MANUFACTURER: Tellkamp System Inc.		
B. TYPE: Dry Filter	C. MODEL: 3C413	
D. STYLE: Floor		
E. APPLICABLE AQMD REGULATION XI RULES: 1107 & 1171		
F. COST: \$180,000 ()	SOURCE OF COST DATA: Owner/Operator	
G. OPERATING SCHEDULE: 10 HRS/DAY 5 DAYS/WK 52 WKS/YR		
2. EQUIPMENT INFORMATION		APP. NO.: 230731
A. SIZE/DIMENSION/CAPACITY: Four identical booths, each: 10' W. x 8' L. x 10' H.		
B. BLOWERS: Four @ 2HP each	C. TOTAL FLOW RATE: 10000 scfm	
D. FILTERS: Four @ 4' x 10' x 3"		
E. PARTS COATED: Aluminum extrusions		
F. TYPE OF COATING/ADHESIVE/SOLVENT USED: Top Coat		
3. COMPANY INFORMATION		APP. NO.: 230731
A. NAME: Sierra Aluminum		
B. ADDRESS: 2345 Fleetwood Drive		
CITY: Riverside	STATE: CA	ZIP: 92509
C. CONTACT PERSON: Naro Kuch	D. PHONE NO.: (909) 360-8292	
4. PERMIT INFORMATION		APP. NO.: 230731
A. AGENCY: SCAQMD		
B. AGENCY CONTACT PERSON:	C. PHONE NO.: (909) 396-2230	
D. PERMIT TO CONSTRUCT INFORMATION:	P/C NO.: 203452	ISSUANCE DATE: 9/26/1989
E. START-UP DATE: 1990 (P/Cs issued under A/N 203452, then regular permit application filed under A/N 203452)		
F. PERMIT TO OPERATE INFORMATION:	P/O NO.: D32939	ISSUANCE DATE: 10/15/1990
5. EMISSION INFORMATION		APP. NO.: 230731
A. PERMIT		
A1. PERMIT LIMIT: 66 lb/day VOC after control		
A2. BACT/LAER DETERMINATION: The BACT/LAER determination for this application is a thermal oxidizer. The permit requires a destruction efficiency for the oxidizer of 98%.		
B. CONTROL TECHNOLOGY		
B1. MANUFACTURER/SUPPLIER: Tellkamp systems Inc.		
B2. TYPE: Regenerative Thermal Oxidizer		

B3. DESCRIPTION: A regenerative thermal oxidizer with two ceramic saddle beds vents four enclosed, conveyORIZED spray booths, one flash-off tunnel and one bake oven. Non-compliant coatings are automatically applied in the booths. The RTO has a 1.3 MM Btu/hr natural gas fired burner.		
B4. CONTROL EQUIPMENT PERMIT APPLICATION DATA: P/C NO.: ISSUANCE DATE: P/O NO.: ISSUANCE DATE:		
B5. WASTE AIR FLOW TO CONTROL EQUIPMENT: FLOW RATE: 10000 scfm ACTUAL CONTAMINANT LOADING: 67 lb/hr BLOWER HP: 1 @ 75 HP, 2 @ 15 HP, 2 @ 1 HP		
B6. WARRANTY: Not known		
B7. PRIMARY POLLUTANTS: VOC		
B8. SECONDARY POLLUTANTS: NO_x = 0.38 lb/hr, CO = 0.01 lb/hr		
B9. SPACE REQUIREMENT: Not known		
B10. LIMITATIONS:		
B11. LOCATION OF PRIOR DEMONSTRATION & AGENCY: FACILITY: None CONTACT PERSON: None PHONE NO.: AGENCY: ADDRESS: CONTACT PERSON: PHONE NO.:		
B12. OPERATING HISTORY: Operating since 1989		
B13. SOURCE TEST/PERFORMANCE DATA ANALYSIS: DATE OF SOURCE TEST: 12/8/89 CAPTURE EFFICIENCY: DESTRUCTION EFFICIENCY: 98.60% OVERALL EFFICEINCY: PERFORMANCE DATA:		
B14. SOURCE TEST CONDITIONS/PERFORMANCE DATA: 67.7 lb/hr VOC @ RTO inlet for 12/89 test (measured as methan) Flow rate to inlet of APC Device: 8790 acfm 7760 scfm		
C. COST		
C1. CONTROL EQUIPMENT COST: <input type="checkbox"/> CHECK IF INSTALLATION COST IS INCLUDED IN CAPITAL COST CAPITAL: \$180,000 INSTALLATION: \$Not known () SOURCE OF COST DATA: Owner/Operator		
C2. ANNUAL OPERATIONAL/MAINTENANCE COST: \$Not known () SOURCE OF COST DATA: Owner/Operator		
D. DEMONSTRATION OF COMPLIANCE		
D1. STAFF PERFORMING FIELD EVALUATION: ENGINEER'S NAME: S. Barros INSPECTOR'S NAME: DATE:		
D2. COMPLIANCE DEMONSTRATION: See Source Test Information		
D3. VARIANCE: NO. OF VARIANCES: None DATES: CAUSES:		

D4. VIOLATION: NO. OF VIOLATIONS: None		DATES:
CAUSES:		
D5. FREQUENCY OF MAINTENANCE: Not known		
6. COMMENTS		APP. NO.: 230731